

SOLID SOIL AMENDMENT · SOIL & PLANT LINE

CARBOterra

Enhanced functional carbon: the physical and biological foundation everything else runs on. It stays in the soil for years, not for one season.

REFERENCE RATE

300–600 kg/ha
 Nationally manufactured

 Local raw material

 One application, multi-year effect

What it is

A granulated solid amendment of stable carbon, loaded with composted organic matter, high-calcium organomineral rock and native microbiology. It is not one more fertilizer: it is the physical and biological support where soil life settles in and multiplies.

Why it works

Structure and porosity Macro- and micropores that improve aeration and water movement, and reduce the effects of compaction.	Water holding The internal surface holds available water and buffers drought stress. It works like a sponge.	Nutrient holding Improves cation exchange capacity and cuts leaching losses: your fertilizer goes further.
Microbial habitat Its porosity creates microhabitats where microbiology settles in and multiplies. It works like a house.	Deeper roots Healthier, deeper, more branched roots, exploring more of the profile.	Stable carbon Slow mineral release, a pH-buffering effect, and carbon that stays for decades.

What to expect

Every figure states its evidence level

+17 to 18 %

Plant stand, carbon in-furrow at 250 kg/ha

MEASURED RESULT

-48 %

Irrigation water in horticulture, at 120 g/m² in substrate

MEASURED RESULT

100 %

Germination in the UNA university trial

MEASURED RESULT



Where and how to apply

SYSTEM	RATE	APPLICATION METHOD
Row crops	300–600 kg/ha	Broadcast or in the seeding row
Cotton (Chaco protocol)	200 kg/ha	In-row, single application at planting
Horticulture	120 g/m ²	Incorporated into the substrate
Forestry	Per planting hole	In the planting hole, with a biological drench
Pastures	300 kg/ha	Broadcast, within the recovery protocol
Gardens and trees	1 kg/m ² · 50 kg/tree	No deeper than 3 cm; trees at 10–15 cm within a 60–80 cm radius

Stable solid product. Store dry. The final rate is set against the soil diagnosis; our agronomy team adjusts it field by field.

The case behind every figure

Sector, region and scale; never the grower’s name

MEASURED RESULT Soybeans, FARMTECH 2024/25 trial
Carbon in-furrow at 250 kg/ha: +17 to 18% plant stand, +14% root length, and a trend of +300 to 345 kg/ha in yield.

MEASURED RESULT Horticulture, UNA university department
Applied at 120 g/m² in substrate: 48% less water and 100% germination. Biological caterpillar control was also recorded, which the protocol had not anticipated.

FIELD OBSERVATION Cooperative in the Pirapó area
Grower with positive results in the first cycle of use; chromatography follow-up under way.

TRIAL IN PROGRESS Forestry, 11 treatments and 4 blocks
Measurements at 30, 60 and 90 days, with first-year and subsequent readings. Partial results available under agreement.

Technical data

Format	Granulated, 25 kg bag and big bag
Base	Enhanced functional carbon
Components	Organic matter + organomineral rock + native microbiology
Calcium	High content
Storage	Dry, shaded
Origin	Made in Paraguay
Crops	Row crops, forestry, fruit, yerba mate, pastures, horticulture

Works with

FILABIOSA
The biological drench that establishes microbiology in the freshly applied carbon.

VitaN2
Nitrogen fixation and phosphorus solubilization from planting.

GrowBox
Seed treatment: protects the seedling through its most vulnerable stage.



NEXT STEP
Request a quote or talk to an agronomist
An agronomist replies within 24 business hours. We set the rate and the protocol against your own field's diagnosis.
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Before you buy, measure your soil
Soil chromatography sets the baseline and the rate. A result from your own field is a better argument than anyone else's case.
Request a diagnosis →